

Supplementary Table 1: The abundance (OTUs) of microbial diversity as detected by PhyloChip.

taxa	Number of OTUs per sample:					
	P0	P1	P2	P3	L1	HS
Archaea						
Crenarchaeota		7	4	7	6	4
Euryarchaeota		1	6	11		
Thaumarchaeota		1	1			
Bacteria						
Acidobacteria		33	4	33		
Actinobacteria		49	1	34	1	
Aquificae		4	8	1	3	1
Bacteroidetes		14	5	15		
Caldithrix		2		3		
Chlamydiae		1	1	1		
Chlorobi		3	1	7		
Chloroflexi		2	6	2		
Cyanobacteria		2	1	4		
Deferribacteres				1		
Elusimicrobia		4	1	3		
Entotheonella		1		1		
Ferribacter				1		
Fibrobacteres		5	1	1		
Firmicutes	4	163	4	172	3	1
Gemmatimonadetes		2	4	1		
Lentisphaerae		1		1		
Nitrospirae		7	10	1		
Planctomycetes		12	6	5		
<i>Proteobacteria</i>						
Alpha	5	34	7	22	1	3
Beta	4	17	13	17		1
Delta		48	15	22		
Epsilon				2		
Gamma	71	36	5	59	5	8
Spirochaetes		2	1	6		
Synergistetes			2	1		
Thermi		2		4		1
Thermodesulfobacteria		1	2			
Verrucomicrobia			1	9		
<i>Unclassified taxa</i>						
49S1_2B_6			2			
ABY1_OD1		2	1	2		
AC1		1	1			
AD3		1				
FCPS706		1		1		

GN02	1	1	1			
GN1		1				
Marine_group_A	2					
MBMPE71	2	1	1			
MD2896-B148		1				
MVP-15		1				
NKB19	1			1		
OP10	3	1	2			
OP11	6	2	3			
OP3	5		2			
OP5			1			
OP8	1		2			
OP9_JS1			1			
P9X2b3A04	4	1	3			
SC4			1			
SHA-95			1			
SPAM			2			
SR1		1	1			
TM6	3	2	2			
TM7	1					
WCHB1-27			1			
WPS-2	4		4			
WS1			1			
WS3	5	3	5			
WS6	2	1	2			
ZB2	2		2			
Unclassified	1	2	5			
Total	84	529	168	674	19	19